

Radiological Terrorism:

Clinical and Public Health Aspects

Satellite Conference & Live Webcast

Thursday, March 16, 2006 • 12:00-1:30 p.m. (Central Time)
1:00-2:30 p.m. (Eastern Time) • 11:00 a.m.-12:30 p.m. (Mountain Time) • 10:00-11:30 a.m. (Pacific Time)

While radiation accidents have been the prevailing mode of human radiation injury in the last half-century, the intentional use of a radiation detonation or exposure device has become an unfortunate possibility. Modern day radiological threats can assume the form of five general categories: 1) an attack on nuclear power plants; 2) a malevolent act using a silent radiological source; 3) use of a radiological dispersal device (RDD) or a "dirty bomb"; 4) use of improvised nuclear device, or 5) the use of a nuclear weapon.

Health effects from radiation can result from whole body exposure or contamination (internal or external). Clinical illnesses include acute radiation sickness, local radiation burns and long term carcinogenic and teratogenic effects.

First responder protocols are being delineated and issues in decontamination and potential risk to healthcare providers are being addressed by Federal as well as local and State Public Health entities.

Supportive measure remains the mainstay of treatment. Colony stimulating factors and radiological chelators such as Prussian blue and DTPA have been approved by the Food and Drug Administration as additional therapeutic options to be used in the care of victims.

Faculty:

Ziad Kazzi, MD

Assistant Professor

Department of Emergency Medicine

School of Medicine, University of Alabama at Birmingham

Guest Researcher, Centers for Disease Control and Prevention

Program Objectives:

1. Delineate the types of radiation accidents: deliberate and accidental.
2. Discuss perceived versus actual clinical threats from "dirty bombs."
3. Review basic principles of radiation physics.
4. Discuss clinical consequences of radiation injury.
5. Review three historical incidents.
6. Set up plans for Public Health response, hospital decontamination and performance of radiation detection safely.
7. Discuss available therapeutic measures for radiation injuries.

Conference Details:

Target Audience: Public health professionals, health care providers, first responders, community planners, leaders of volunteers and faith-based organizations that assist affected communities.

Registration: www.adph.org/alphtn **Cost:** There is no cost to view. **CEUs:** None for this program.

Satellite Technical Information: This program will be a live satellite broadcast on both Ku & C bands.

Webcast Information: Register at www.adph.org/alphtn To view webcast, you need RealPlayer. Test your computer before the day of the program from the "test connection" link at www.adph.org/alphtn. On the day of the program, go to www.adph.org/alphtn Click on the "view webcast" link.

Conference Materials: Posted on our website approximately one week before the program.

Questions For Faculty: If you have questions that you want addressed during the conference, you may fax or email those questions and a response will be given during the program.

Email: alphtnquestions@adph.state.al.us or Fax: 888-737-1972.

If you have questions about any of these conference details, call 334-206-5618 or email: alphtn@adph.state.al.us